Recombinant human RhoC protein

Catalog Number: ATGP0638

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-190aa

UniProt No.
P08134

NCBI Accession No.
NP_001036144

Alternative Names
Rho-related GTP-binding protein RhoC, ARH9, ARHC, H9, RHOH9, Rho-related GTP-binding protein RhoC, Ras homolog family member C, Rho cDNA clone 9

PRODUCT SPECIFICATION

Molecular Weight
23.8 (210aa) confirmed by MALDI-TOF (Real Molecular weight on SDS-PAGE will be shift up)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
RhoC, also known as rho-related GTP-binding protein RhoC, is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. It cycles between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. RhoC promotes reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. Recombinant human RhoC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

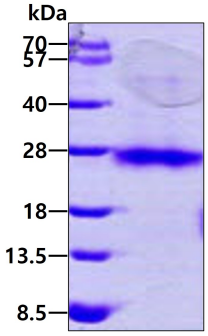
<MGSSHHHHHH SSGLVPRGSH> MAAIRKKLVI VGDGACGKTC LLIVFSKDQF PEVYVPTVFE NYIADIEVDG KQVELALWDT AGQEDYDRLR PLSYPDTDVI LMCFSIDSPD SLENIPEKWT PEVKHFCPNV PIILVGNKKD LRQDEHTRRE LAKMKQEPVR SEEGRDMANR ISAFGYLECS AKTKEGVREV FEMATRAGLQ VRKNKRRRGC

General References

Ridley AJ.. (2006) Trends Cell Biol. 16(10):522-9

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.